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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/688,261	10/17/2003	Norbert Hahn	P-US-PR-1088	4594

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EXAMINER	
WEEKS, GLORIA R	

ART UNIT	PAPER NUMBER
3721	

MAIL DATE	DELIVERY MODE
09/11/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/688,261

Applicant(s)

HAHN, NORBERT

Examiner

Gloria R. Weeks

Art Unit

3721

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 October 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-33 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-33 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 October 2003 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 10/17/03; 1/12/04.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____.

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Objections

2. Claim 30 is objected to because of the following informalities: the misspelling of the word subassembly in lines 1-2. Appropriate correction is required.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Wanner et al. (USPN 4,131,165).

In reference to claims 1-6, Wanner et al. discloses a tool holder that receives as tool 15, the tool holder comprising: a tubular main body 11; a first and second locking element 21 movably mounted with respect to the main body 11, the first and second locking elements 21 each having an engaging portion movable between a radially outer unlocked position and an inner locked position, in which each of the engaging portions are engaged with a retaining collar (figure 2) of the tool 15; a manually actuable sleeve 56 mounted around the main body 11 so as to be axially movable between a first position in which the engaging portions of the locking elements 21 are held in the locked position, and a second position in which the engaging portions

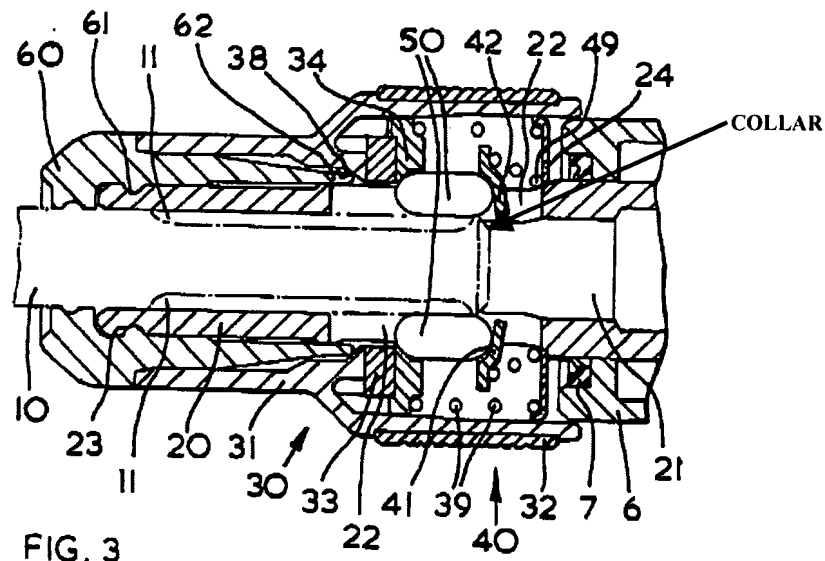
Art Unit: 3721

of the locking elements 21 are movable to an unlocked position; a retaining ring 60 axially slidable with respect to the main body 11 and positioned rearward of the locking element; and a spring member 25 that axially biases the retaining ring 60 forward into engagement with the first and second locking elements 21 and biases the actuatable sleeve 56 into the locked position.

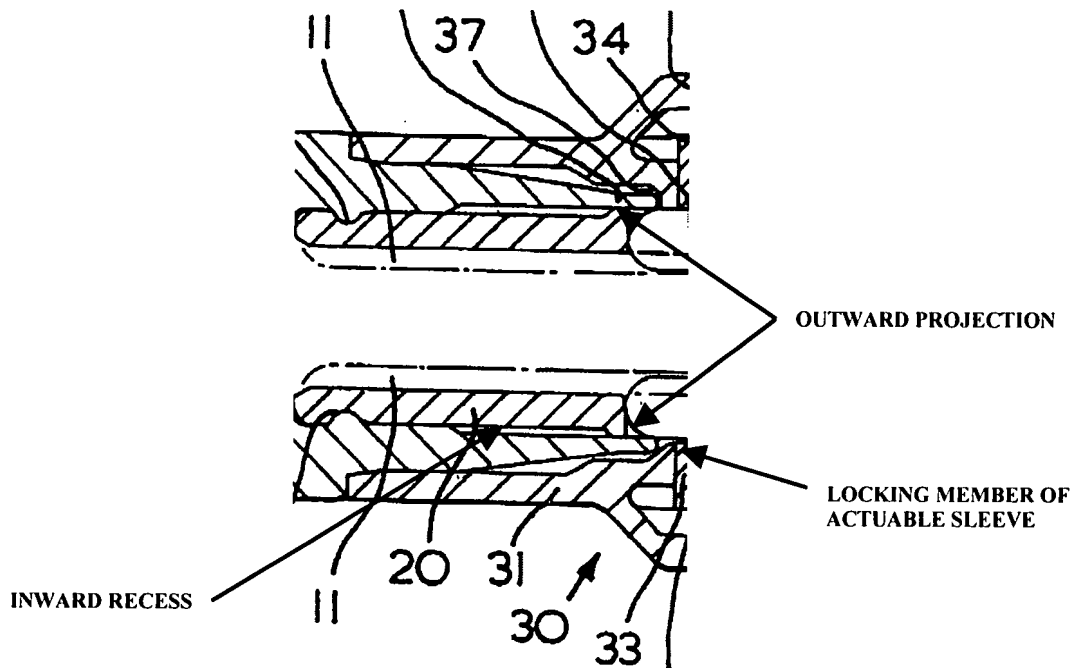
5. Claims 1-4, 6-15, 17, 18 and 20-33 are rejected under 35 U.S.C. 102(b) as being anticipated by Lauterwald (USPN 5,601,388).

Regarding claims 1-4, 6, 7 and 33, Lauterwald discloses a tool holder that receives as tool 10, the tool holder comprising: a tubular main body 20; a locking element 50, 60 movably mounted in the hole 22 with respect to the main body 20, the element 50, 60 having an engaging portion 50 movable between a radially outer unlocked position (figure 3) and an inner locked position (figure 2), in which the engaging portion 50 is engaged with a retaining collar¹ 11 of the tool 10; a manually actuatable sleeve 30 mounted around the main body 20 so as to be axially movable between a first position in which the engaging portions 50 of the locking element 50, 60 are held in the locked position, and a second position in which the engaging portions 50 of the locking element 50, 60 are movable to an unlocked position; a retaining ring 41 axially slidable with respect to the main body 20 independent of movement of the actuatable sleeve 30, and the retaining ring 41 is positioned rearward of the locking element 50, 60; and a spring member 49 that axially biases the retaining ring 41 forward into engagement with the locking element 50, 60 and a spring member 39 that biases the actuatable sleeve 30 into the locked position.

¹ Any of various ring like devices used to limit, guide, or secure a machine part. (American Heritage Dictionary)



With respect to claims 8-10, 14, 15, 17, 20-29, 31 and 32, Lauterwald discloses the locking element 50, 60 as an axially elongated feature that extends forward of a forward end of the main body 20, the locking element 50, 60 having first end including an elastic portion 62 that is pivotally mounted on the main body 20, such that pivotal movement of the elastic portion 62 of the locking element 50, 60 is facilitated by engagement of the engaging portions 50 within a recess/hole 22 formed in the outer surface of the main body 20. Lauterwald further discloses a subassembly including an actuator body 34; an axially slidable retaining ring 41 rearward of the locking element 50, 60; a spring member 49 biasing the retaining ring 41; and an axially slidable actuator ring 33, wherein the locking element 50 is movably positioned between the actuator ring 33 and the retaining ring 41 (figures 2-4).



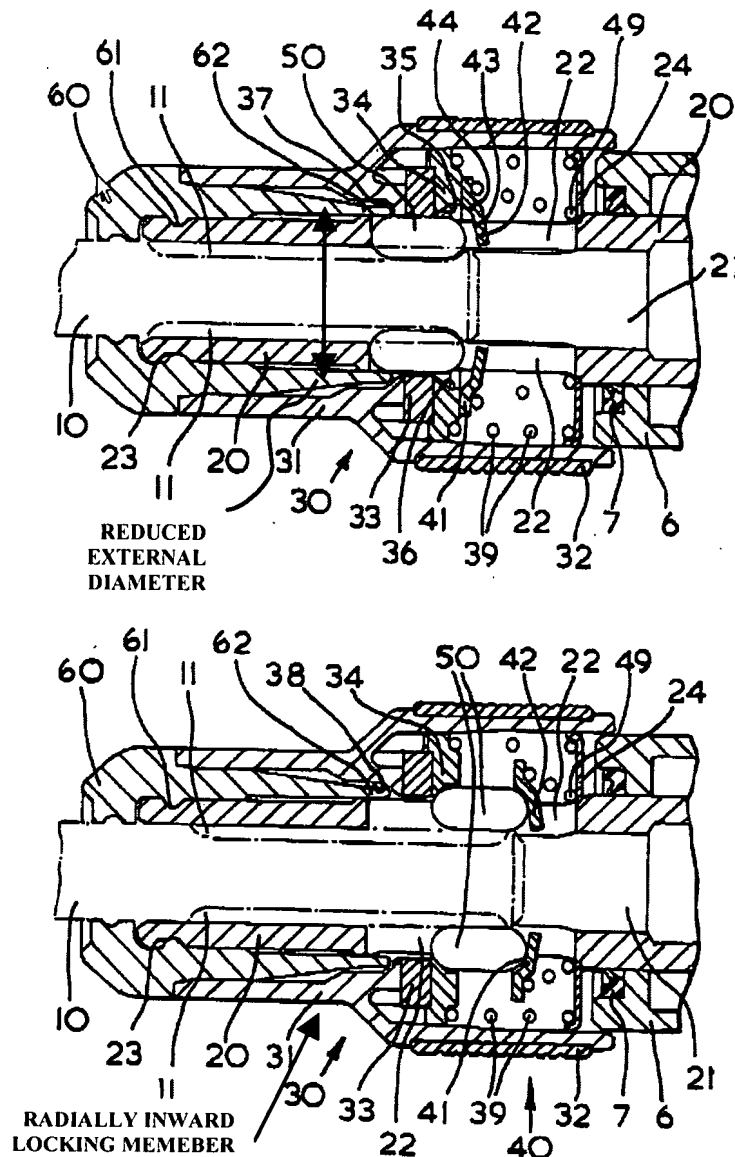
The locking element 50, 60 includes an elastic portion 62 positioned radially outward from the main body; the actuable sleeve 30 having a locking member 38 that engages the elastic portion 62 of the locking element 50, 60 to hold the engaging portion 50 in the locked position (figure 2), and in a rearward position (figure 3) the locking element 50 is movable to an unlocked position. The main body 20 includes a reduced internal diameter portion engaged with and radially outward of the locking element in the locked position, and an increased internal diameter portion

In reference to claim 11, Lauterwald discloses the locking element 50, 60 positioned such that the pivotable elastic portion 62 is rearward of the outward projection portion, and the engaging portion 50 is located forward to the retaining ring 42.

Regarding claims 12 and 13, the locking element 50, 60 of Lauterwald includes a portion positioned radially outward of the main body 20, and the actuable sleeve 30 includes a locking member radially inward of rear portion of the actuable sleeve 30, such that the locking member

Art Unit: 3721

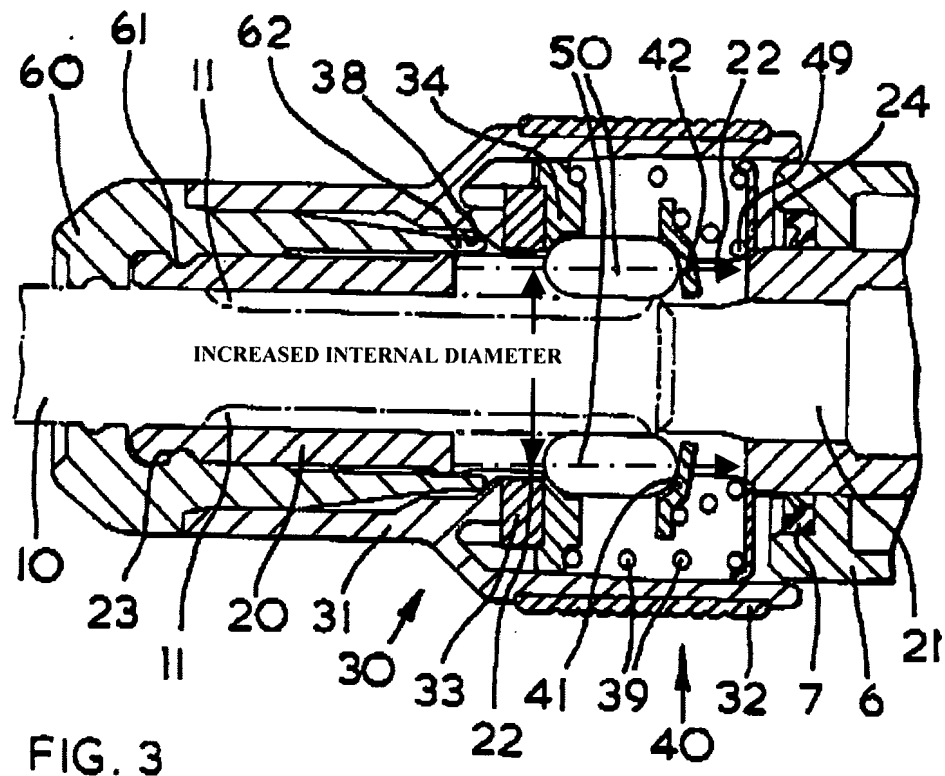
engages the radially outward portion of the locking element when the sleeve is in the locked position, and the locking member is radially outward of reduced external diameter portion of the locking element when the sleeve is in the unlocked position (see illustration below).

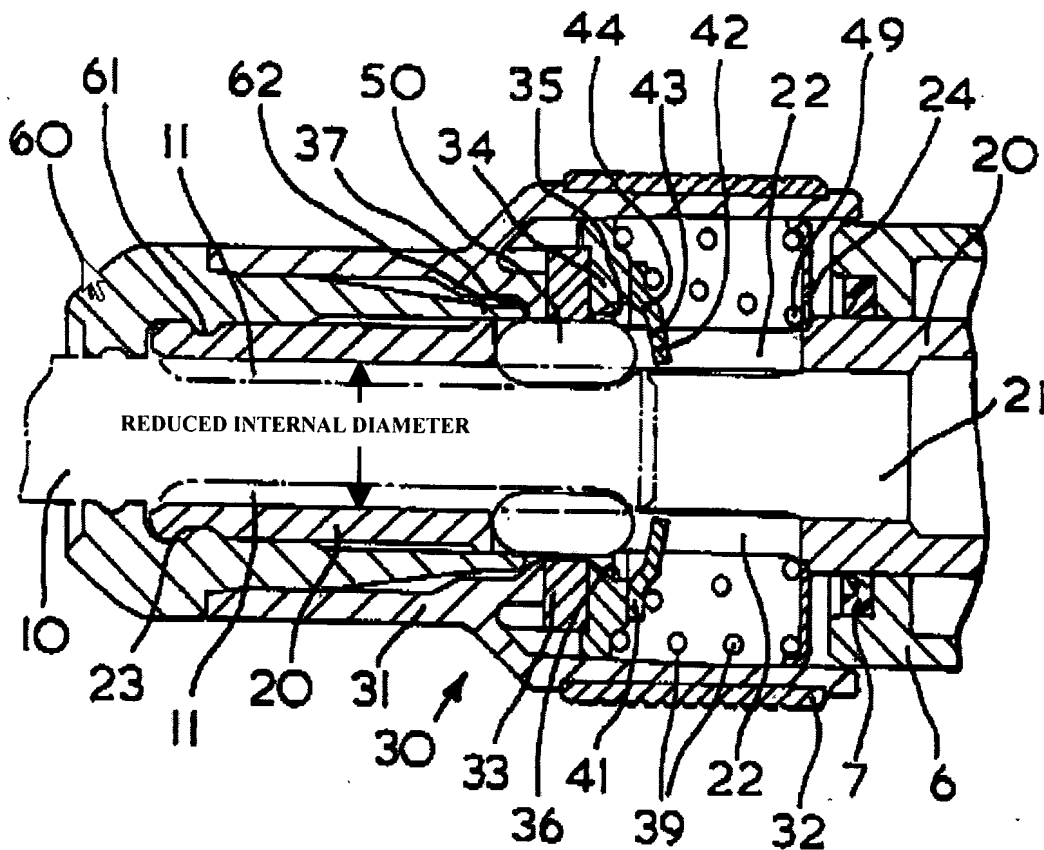


Regarding claim 30, Lauterwald discloses a tool holder comprising: a main body 20; an actuable sleeve 30; a locking element 50, 60; a retaining ring 41; an actuator ring 33; an actuator

Art Unit: 3721

body 34 engagable with the actuator ring 33, such that movement of the actuatable sleeve 30 from a locked position (figure 2) to an unlocked position (figures 3-4) causes movement of the actuator body 34, actuator ring 33, the retaining ring 41; wherein the locking element 50 is positioned within an internal diameter of the main body 20 in the locked position, and expands to an portion of the main body having an increased internal diameter in the unlocked position (figure 3; see illustration below).

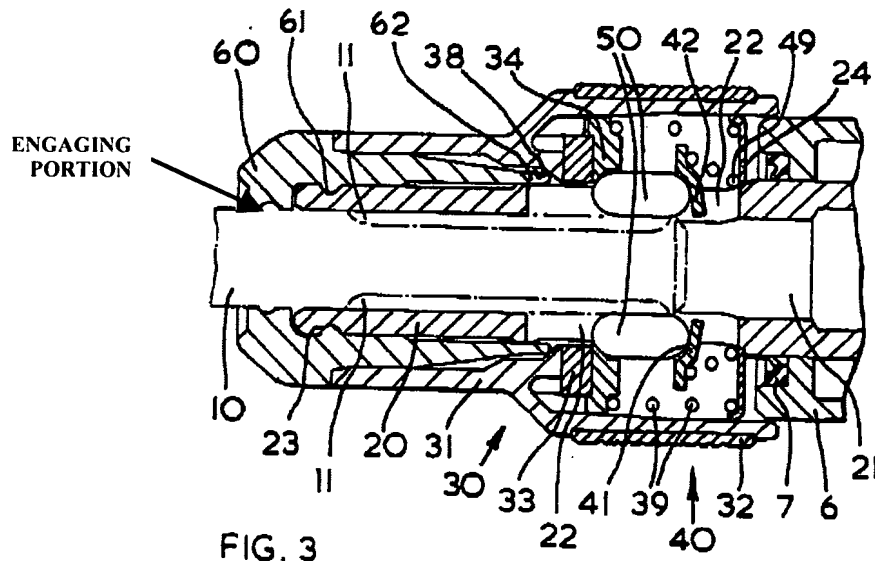




With respect to claims 1, 2, 8, 17 and 18, Examiner is hereby providing an alternative interpretation of the tool holder disclosed by Lauterwald. Lauterwald is deemed to disclose a tool holder comprising: a tubular main body 20; an axially elongated locking element 50 movably mounted with respect to the main body 20, the element 50 having an engaging portion (see illustration below) movable between a radially outer unlocked position (figure 4) and an inner locked position (figure 2), in which the engaging portion is engaged with a retaining collar² of the tool 10; a manually actuable sleeve 30 mounted around the main body 20 so as to be axially movable between a first position in which the engaging portions 50 of the locking element 50, 60 are held in the locked position, and a second position in which the engaging portions 50 of the

Art Unit: 3721

locking element 50, 60 are movable to an unlocked position; wherein a forward end of the locking element extends forwardly of a forward end of the main body 20 such that the a rearward 62 portion of the locking element is elastically pivotable and the engaging portion is positioned at a forward end of the locking element.



Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 16 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lauterwald (USPN 5,601,388) in view of Gustafson (USPN 1,800,345).

² Any of various ring like devices used to limit, guide, or secure a machine part. (American Heritage Dictionary)

Art Unit: 3721

With respect to claims 16 and 19, Lauterwald discloses tool holder including a resilient locking element mounted on a main body 20, the locking element having a pivotable portion 62, wherein pivoting of the locking element causes a portion 50 of the locking element to engage a tool. Lauterwald does not disclose a first and second pivotable locking element. Gustafson teaches a tool holder for a tool 18, the tool holder having a locking element having a first and second locking element 25, each locking element having a tool engaging portion, wherein the first and second locking elements together form a sleeve that surrounds the tool 18. It would have been obvious to one having ordinary skill in the art at time of the invention to modify the locking element of Lauterwald into a first and second locking element, since Gustafson suggests that such a modification effectively secures a tool within a tool holder.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Refer to attachment for notice of references cited and recommended for consideration based on their disclosure of limitations related to the claimed invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gloria R. Weeks whose telephone number is (571) 272-4473. The examiner can normally be reached on M-F 8am-4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rinaldi I. Rada can be reached on (571) 272-4467. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3721

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Other helpful telephone numbers are listed for applicant's benefit:

- Allowed Files & Publication (888) 786-0101
- Assignment Branch (800) 972-6382
- Certificates of Correction (703) 305-8309
- Fee Questions (571) 272-6400
- Inventor Assistance Center (800) PTO-9199
- Petitions/special Programs (571) 272-3282
- Information Help line 1-800-786-9199

Gloria R. Weeks
Examiner
Art Unit 3721

/GRW/

August 29, 2007



Rinaldi I. Rada
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